

[illegible]

CSPC
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The
1637
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162
11

Mac

\$24
-\$24
-\$24
TOTAL
363
Ther
MACF

```
0000 1 .TITLE CSPCJFRES
0000 2 .IDENT 'V04-000'
0000 3
0000 4 *****
0000 5 *
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0000 23 *
0000 24 *
0000 25 *****
0000 26
0000 27 ++
0000 28
0000 29 FACILITY: Common Journaling Facility, Cluster Server Process
0000 30
0000 31 ABSTRACT: Routine running in the CSP acting on behalf of CJF to
0000 32 resume the cluster failover sequence following the remastering
0000 33 of Recovery Unit Journals.
0000 34
0000 35 AUTHOR: Paul R. Beck
0000 36
0000 37 DATE: 9-SEP-1983 17:00 Last Edit: 9-SEP-1983 20:15:46
0000 38
0000 39 MODIFIED BY:
0000 40
0000 41 V03-001 ADE0001 Alan D. Eldridge 6-Feb-1984
0000 42 Minor cleanup.
0000 43
0000 44
0000 45 --
```



```
0000 47 :  
0000 48 : Symbol Definitions  
0000 49 :  
0000 50 :  
0000 51 $CLUBDEF  
0000 52 $IPLDEF  
0000 53 :  
0000 54 :  
0000 55 : This code must run at elevated IPL, so it gets locked down.  
0000 56 :  
0000 57 .PSECT CJF$CSP_CODE EXE,WRT  
0000 58 :  
0000 59 :  
0000 60 :  
0000 61 : The following two locations are filled in from CSP$CJFREMASTER by the  
0000 62 : MOST RECENT CALL to that routine.  
0000 63 :  
0000 64 LOCK: ; lock page from here to SYNCH  
00000000 0000 65 FAILOVER_ID:: .LONG 0 ; most recent failover ID  
00000000 0004 66 RESUME_ADDRESS:: .LONG 0 ; address to call to resume  
0008 67 ; failover sequence  
0008 68 :  
0000 69 .ENTRY CJF$RESUME_FAILOVER,^M<>  
000A 70 :  
000A 71 :  
000A 72 : Get the address of the cluster failover control block  
000A 73 :  
000A 74 :  
50 00000000'GF D0 000A 75 MOVL G^CLUSGL CLUB,R0 ; First, get the cluster block  
50 0000010C'EF 9E 0011 76 MOVAB CLUB$B_CCUFCB,R0 ; ...which contains the failover blo  
0018 77 :  
0018 78 :  
0018 79 : Synchronize, then just quit if it's the wrong failover sequence.  
0018 80 : In that case, we expect to be called again with the correct one.  
0018 81 :  
0018 82 :  
0018 83 SETIPL SYNCH ; synchronize with cluster code  
1C A0 DE AF D1 001F 84 CMPL FAILOVER_ID,CLUFCB$ID(R0) ; is this the correct failover?  
03 12 0024 85 BNEQ 20$ ; if NEQ, no: we're done.  
0026 86 :  
0026 87 :  
0026 88 : Restart the failover sequence. The return will also be at  
0026 89 : IPL$SYNCH, after some unknown amount of failover code is executed.  
0026 90 : That is, eventually, failover code will fork, at which point, we  
0026 91 : get control again.  
0026 92 :  
0026 93 :  
DB BF 16 0026 94 JSB @RESUME_ADDRESS ; resume failover sequence  
0029 95 20$: ;  
0029 96 :  
0029 97 : That's it.  
0029 98 :  
0029 99 :  
0029 100 SETIPL #0 ; back to normal IPL  
04 002C 101 RET ; return to caller  
002D 102 :  
00000008 002D 103 SYNCH: .LONG IPL$SYNCH
```

CSPCJFRES
V04-000

K 3

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0031 104
0031 105
0031 106
0031 107 .END

ASSUME <SYNCH - LOCK> LT 512

CSPCJFRES
V04-000

.....

CSPCJFRES
Symbol table

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(2)

CJFSRESUME FAILOVER	00000008	RG	02
CLUSGL_CLUB	*****	X	02
CLUB\$B-CLUFCB	= 0000010C		
CLUFCB\$L_ID	= 0000001C		
FAILOVER-ID	00000000	RG	02
IPL\$_SYNCH	= 00000008		
LOCK	00000000	R	02
PR\$ IPL	*****	X	02
RESUME_ADDRESS	00000004	RG	02
SYNCH	0000002D	R	02

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
CJF\$CSP_CODE	00000031 (49.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.02	00:00:02.05
Command processing	143	00:00:00.49	00:00:02.14
Pass 1	160	00:00:01.48	00:00:06.40
Symbol table sort	0	00:00:00.12	00:00:00.37
Pass 2	36	00:00:00.31	00:00:01.23
Symbol table output	3	00:00:00.01	00:00:00.01
Psect synopsis output	0	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	381	00:00:02.45	00:00:12.22

The working set limit was 1200 pages.
9579 bytes (19 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 176 non-local and 1 local symbols.
107 source lines were read in Pass 1, producing 16 object records in Pass 2.
11 pages of virtual memory were used to define 10 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYSLOA.OBJ]CLUSTER.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	3
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	7

245 GETS were required to define 7 macros.

There were no errors, warnings or information messages.

CSPCJFRES
VAX-11 Macro Run Statistics

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5-SEP-1984 04:08:40 [SYSLOA.SRC]CSPCJFRES.MAR;1 Page 5
(2)

MACRO/LIS=LIS\$:CSPCJFRES/OBJ=OBJ\$:CSPCJFRES MSRC\$:CSPCJFRES/UPDATE=(ENH\$:CSPCJFRES)+EXECMLS/LIB+LIB\$:CLUSTER/LIB

CSPC
V04-

0394 AH-BT13A-SE
VAX/VMS V4.0

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